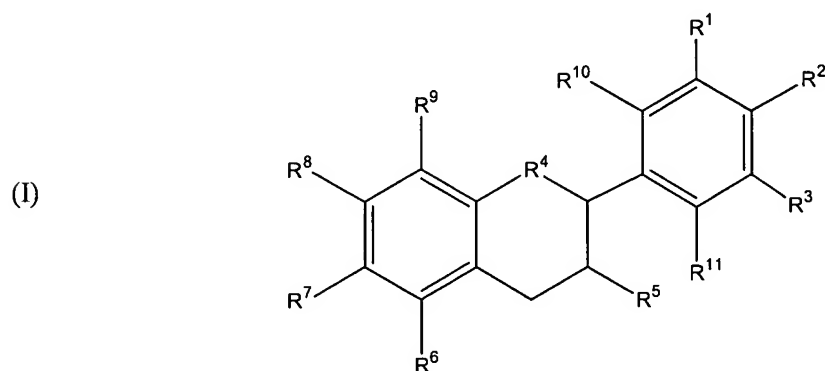


**ANALOGS OF GREEN TEA POLYPHENOLS AS  
CHEMOTHERAPEUTIC AND CHEMOPREVENTIVE AGENTS**

**ABSTRACT OF THE DISCLOSURE**

Novel compounds useful as chemotherapeutic and chemopreventive agents are provided. The compounds are analogs of polyphenol catechins that occur in green tea, such as epigallocatechin-3-gallate (EGCG), and have the structure of formula (I)



wherein R<sup>1</sup> through R<sup>11</sup> are defined herein. Preferred R<sup>4</sup> moieties are selected from O, S, NH and CH<sub>2</sub>, and in exemplary compounds, R<sup>4</sup> is O and R<sup>5</sup> is a tri-substituted aryloxy substituent, such as a 3,4,5-substituted benzyloxy group. Pharmaceutical compositions are provided as well, as are methods of chemotherapy and chemoprevention.